

09/437580

36101/SAH/B600

GRAPHICS DISPLAY SYSTEM WITH  
WINDOW SOFT HORIZONTAL SCROLLING MECHANISM

Abstract of the Disclosure

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A graphics integrated circuit chip is used in a set-top box for controlling a television display. The graphics chip processes analog video input, digital video input, a graphics input and an audio input simultaneously. A soft horizontal scrolling mechanism preferably enables placement of the contents of graphics windows on arbitrary positions on a display line. By blanking out one or more pixels aligned to the start address, the content of a graphics window may be shifted to the left. By accessing graphics data of an address just prior to the start address and blanking out one or more pixels aligned to that address, the content of a graphics window may be shifted to the right.

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